

Enzyme and Metabolic Disorder Therapies Effective 06/05/2023

| Plan | ☑ MassHealth UPPL □Commercial/Exchange | D | Prior Authorization |
|-------------|--|--------------------|----------------------------|
| Benefit | 🗵 Pharmacy Benefit | Program Type | \boxtimes Quantity Limit |
| | 🛛 Medical Benefit (NLX) | | □ Step Therapy |
| Specialty | This medication has been designated specialty and must be filled at a contracted | | |
| Limitations | specialty pharmacy. | | |
| | Specialty Medications | | |
| | All Plans P | hone: 866-814-5506 | Fax: 866-249-6155 |
| | Non-Specialty Medications | | |
| Contact | MassHealth P | hone: 877-433-7643 | Fax: 866-255-7569 |
| Information | Commercial P | hone: 800-294-5979 | Fax: 888-836-0730 |
| | Exchange P | hone: 855-582-2022 | Fax: 855-245-2134 |
| | Medical Specialty Medications (NLX) | | |
| | All Plans P | hone: 844-345-2803 | Fax: 844-851-0882 |
| Exceptions | See Overview table below for drugs available through medical benefit only | | |

Overview

| No PA | Require PA |
|--|--|
| Ammonul [®] # (sodium phenylacetate/sodium | Aldurazyme [®] (laronidase) ^{MB} |
| benzoate) | Carbaglu [®] (carglumic acid)* ^{PD BP} |
| Buphenyl [®] # (sodium phenylbutyrate powder, | Cerdelga [®] (eliglustat) |
| tablet) | Cerezyme [®] (imiglucerase) ^{MB} |
| Creon [®] DR (pancrelipase) | Dojolvi [®] (triheptanoin) |
| Pancreaze [®] DR (pancrelipase) + | Elaprase [®] (idursulfase) M ^B |
| Pertzye [®] DR (pancrelipase) | Elelyso [®] (taliglucerase alfa) ^{MB} |
| Viokace [®] (pancrelipase) | Fabrazyme [®] (agalsidase beta) |
| Zenpep [®] DR (pancrelipase) | Galafold [®] (migalastat) |
| | Kanuma [®] (sebelipase alfa) |
| | Kuvan [®] (sapropterin)* |
| | Lumizyme [®] (alglucosidase alfa) MB |
| | Mepsevii [®] (vestronidase alfa-vjbk) MB |
| | Naglazyme [®] (galsulfase) MB |
| | Nexviazyme [®] (avalglucosidase alfa-ngpt) |
| | Nulibry [®] (fosdenopterin) MB |
| | Palynziq [®] (pegvaliase-pqpz) |
| | Pheburane [®] (sodium phenylbutyrate granules) |
| | Pyrukynd [®] (mitapivat) |
| | Revcovi [®] (elapegademase-lvlr) |

Mass General Brigham Health Plan includes Mass General Brigham Health Plan, Inc. and Mass General Brigham Health Insurance Company.

| Ryplazim [®] (plasminogen, human-tvmh) |
|--|
| Strensiq [®] (asfotase alfa) |
| Sucraid [®] (sacrosidase)* + |
| Vijoice [®] (alpelisib) |
| Vimizim [®] (elosulfase alfa) ^{MB} |
| Vpriv [®] (velaglucerase alfa) ^{MB} |
| Xenpozyme [®] (olipudase alfa-rpcp) ^{MB} |
| Xuriden [®] (uridine triacetate) ⁺ |
| Zavesca [®] (miglustat)* ^{BP} |

* A-rated generic available. Both brand and A-rated generic require PA.

This designates a brand-name drug with FDA "A"-rated generic equivalents. Prior authorization is required for the brand, unless a particular form of that drug (for example, tablet, capsule, or liquid) does not have an FDA "A"-rated generic equivalent.

BP Brand Preferred over generic equivalents. In general, requires a trial of the preferred drug or clinical rationale for prescribing the non-preferred drug generic equivalent.

PD preferred drug. In general, requires a trial of the preferred drug or clinical rationale for prescribing a non-preferred drug within a therapeutic class. Please note, for Enzyme and Metabolic Disorder Therapies, a trial with Carbaglu is not required prior to approval of a non-preferred agent.

MB This drug is available through the health care professional who administers the drug or in an outpatient or inpatient hospital setting. The plan does not pay for this drug to be dispensed through the retail pharmacy

⁺This agent does not participate in federal rebate. Please see the Non-FDA approved and Non-rebate products guideline for more information. Please note, drug-specific criteria may also apply as shown in the procedure table below.

Coverage Guidelines

Authorization may be reviewed on a case by case basis for members who are new to the plan currently receiving treatment with requested medication excluding when the product is obtained as samples or via manufacturer's patient assistance programs.

OR

Authorization will be granted when all the following criteria has been met, and documentation has been submitted:

Aldurazyme® (laronidase)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of Mucopolysaccharidosis I (MPS I)
- 2. Results from genetic testing showing mutations in IDUA gene or an enzyme assay test showing reduced lysosomal alpha-L-iduronidase activity in peripheral blood leukocytes, plasma, or cultured fibroblasts
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Carbaglu · (carglumic acid)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of NAGS deficiency
- 2. Results from genetic test or an enzyme assay test (i.e., liver biopsy) supporting the diagnosis
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Appropriate dosing



- 1. Diagnosis of hyperammonemia due to propionic aciduria (PA) or methylmalonic aciduria (MMA)
- 2. Results from genetic testing, medical records, or lab results supporting the diagnosis
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Elevated ammonia levels >60 μmol/L
- 5. Appropriate dosing

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of acute hyperammonemia in isovaleric aciduria (off-label)
- 2. Medical records and/or laboratory testing results supporting the diagnosis of IVA
- 3. Abnormally elevated baseline ammonia levels (e.g., >60 µmol/L)
- 4. Appropriate dosing (see Availability and Dosage table below)

Cerdelga (eliglustat)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Gaucher disease (Type I)
- 2. Member is ≥18 years of age
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Results from an enzyme assay test showing reduced activity of the enzyme glucocerebrosidase
- 5. Documentation showing that member is NOT currently receiving enzyme replacement therapy (ERT) (i.e., Cerezyme[®] [imiglucerase], Vpriv[®] [velaglucerase alfa] or Elelyso[®] [taliglucerase alfa])

Cerezyme (imiglucerase)

Vpriv_® (velaglucerase alfa)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Gaucher disease (Type I)
- 2. Results from genetic test confirming mutation in GBA gene or an enzyme assay test showing reduced activity of the enzyme glucocerebrosidase
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Dojolvi · (triheptanoin)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of long chain fatty acid oxidation disorder (LC-FAOD)
- 2. Results from genetic testing or molecular analysis to confirm diagnosis (e.g., CPT I or II, LCHAD, TFP, VLCAD deficiency)
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Documentation of a trial with a diet consisting of low-fat, high-carbohydrates, and avoidance of fasting
- 5. Member's current caloric intake (use to verify correct dosing)

Elaprase (idursulfase)

- 1. Diagnosis of Hunter Syndrome (Mucopolysaccharidosis II)
- 2. Results from genetic testing confirming mutation in IDS gene or iduronate-2-sulfatase assay test showing reduced or absent activity in the serum, white blood cells, or fibroblasts



- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Elelyso[®] (taliglucerase alfa)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of Gaucher disease (Type I)
- 2. Results from genetic test confirming mutation in GBA gene or an enzyme assay test showing reduced activity of the enzyme glucocerebrosidase
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member is \geq 4 years of age
- 5. Member's current weight (use to verify correct dosing)

Fabrazyme (agalsidase beta)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Fabry disease
- 2. One of the following confirming diagnosis:
 - a. Results from an enzyme assay test showing reduced or absent α -GAL enzyme activity in plasma, leukocytes, tears, or biopsied tissue
 - b. Genetic testing confirming mutation in GAL gene
 - c. Biomarker demonstrating an increase in Gb3 (or GL-3) concentration
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Galafold • (migalastat)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Fabry disease
- 2. Member is \geq 18 years of age
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Results from an enzyme assay test showing reduced or absent α -galactosidase A (α -GAL) enzyme activity in plasma, leukocytes, tears, or biopsied tissue
- 5. Member has GLA variants (mutations) which are amenable to treatment with migalastat (based on genetics consult notes)
- 6. Requested quantity is ≤15 units/30 days (0.5 units/day)

Kanuma[®] (sebelipase alfa)

- 1. Diagnosis of lysosomal acid lipase deficiency
- 2. **ONE** of the following:
 - a. Lab assay documenting low lysosomal acid lipase activity
 - b. Genetic testing confirming full or partial loss of LAL gene
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)



Kuvan[®] (sapropterin)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of phenylketonuria
- 2. Results from molecular analysis to confirm diagnosis
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Documentation that medication will be used in conjunction with a phenylalanine-restricted diet
- 5. Member's current weight (use to verify correct dosing)
- 6. If the request is for BRAND NAME Kuvan*, member must meet the above criteria and provide medical records documenting an inadequate response or adverse reaction to generic sapropterin (as per the Brand Name and Non-Preferred Generic Drugs guideline)

Lumizyme (alglucosidase alfa)*

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Pompe Disease
- 2. **ONE** of the following confirming diagnosis:
 - a. Results from GAA assay test showing reduced or absent activity from cultured skin fibroblasts
 - b. lymphocyte testing
 - c. blood spot assay
 - d. genetic testing confirming mutation in GAA gene
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

* Lumizyme[®] and Nexviazyme[®] should not be used concurrently

Mepsevii (vestronidase alfa-vjbk)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Mucopolysaccharidosis VII (MPS VII, Sly syndrome)
- 2. Results from genetic testing showing mutations in the beta glucuronidase gene
- 3. Prescriber is a specialist in genetic or metabolic diseases or provides documentation of a consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Naglazyme (galsulfase)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Mucopolysaccharidosis VI (MPS VI)
- 2. Results from an enzyme assay test showing reduced arylsulfatase B (ASB) enzyme activity in leukocytes or fibroblasts along with elevated urine glycosaminoglycan (GAG) levels
- 3. Prescriber is a specialist in genetic or metabolic diseases or provides documentation of a consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Nexviazyme (avalglucosidase alfa-ngpt) *

- 1. Diagnosis of late-onset Pompe Disease
- 2. **ONE** of the following confirming diagnosis:
 - a. results from GAA assay test showing reduced or absent activity from cultured skin fibroblasts



- b. lymphocyte testing
- c. blood spot assay
- d. genetic testing confirming mutation in GAA gene
- 3. Member is \geq one year of age
- 4. Prescriber is a specialist in genetic or metabolic diseases or consult notes from a specialist are provided.
- 5. Member's current weight *(use to verify correct dosing)*
- 6. For members weighing < 30 kg, contraindication to Lumizyme[®]

* Lumizyme® and Nexviazyme® should not be used concurrently

Nulibry (fosdenopterin)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of molybdenum cofactor deficiency (MoCD) Type A confirmed by genetic testing
- 2. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 3. Appropriate dosing
- 4. Member's current weight (use to verify correct dosing)

Palynziq (pegvaliase-pqpz)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of phenylketonuria
- 2. Member is \geq 18 years of age
- 3. Results from molecular analysis to confirm diagnosis
- 4. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 5. Documentation of blood phenylalanine concentrations >600 micromol/L
- 6. Documentation that medication will be used in conjunction with a phenylalanine-restricted diet
- 7. Physician attestation of inadequate response, adverse reaction, or contraindication to sapropterin

Pheburane (sodium phenylbutyrate granules)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of urea cycle disorder (UCD)
- 2. Results from genetic test or an enzyme assay test (liver biopsy, fibroblast from skin biopsy, or red blood cells) supporting the diagnosis
- 3. Prescriber is a specialist in genetic or metabolic diseases or consult notes from a specialist are provided
- 4. Physician attestation of inadequate response or adverse reaction to **ONE** or contraindication to **BOTH** of the following*:
 - a. sodium phenylbutyrate powder
 - b. sodium phenylbutyrate tablet
- 5. Appropriate dosing

* Requests noting inability to tolerate sodium phenylbutyrate powder or tablet formulations due to unpleasant taste will be evaluated on a case-by-case basis, taking into consideration whether a masking agent (e.g., chocolate syrup or peanut butter) or the taste-masked pellet formulation was tried.

Pyrukynd • (mitapivat)

Prescriber provides documentation of **ALL** of the following:

1. Diagnosis of hemolytic anemia with pyruvate kinase deficiency



- 2. Member is \geq 18 years of age
- 3. Results from genetic testing confirming mutation in PKLR gene or lab testing showing reduced or absent activity of pyruvate kinase
- 4. Prescriber is a specialist in genetic diseases, hematology, or metabolic diseases or consultation notes from a specialist are provided
- 5. $Hb \le 10 \text{ g/dL}$ (dated within the last 60 days)
- 6. Requested quantity is ≤ 2 units/day

Revcovi · (elapegademase-lvlr)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of adenosine deaminase severe combined immunodeficiency (ADA-SCID)
- 2. Laboratory results documenting **ONE** of the following:
 - a. Absent ADA enzymatic activity in lysed erythrocytes
 - b. Elevated levels of adenosine and deoxyadenosine in the urine and plasma
 - c. A marked increase in deoxyadenosine triphosphate (dATP) levels in erythrocyte lysates
 - d. A significant decrease in ATP concentration in red blood cells
 - e. Absent or extremely low levels of N adenosylhomocysteine hydrolase in red blood cells
 - f. Severe T cell deficiency manifested by lymphopenia and poor T cell responses to mitogens and antigens
 - g. Absent thymic shadow on chest radiograph
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Ryplazim[®] (plasminogen, human-tvmh)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of PLGD type 1
- History of lesions (external and/or internal) and symptoms consistent with a diagnosis of PLGD type 1 (e.g., ligneous conjunctivitis, ligneous gingivitis or gingival overgrowth, vision abnormalities, respiratory distress and/or obstruction, abnormal wound healing)
- 3. Baseline plasminogen activity level ≤45%
- 4. ONE of the following:
 - a. Results from genetic testing showing mutations in PLG gene
 - b. Member has plasminogen antigen levels ≤9 mg/dL
- 5. Requested dose is \leq 6.6 mg/kg every two to four days

Strensiq[®] (asfotase alfa)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of perinatal-onset, infantile-onset or juvenile-onset hypophosphatasia
- 2. Genetic testing confirming mutation in ALPL gene
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Sucraid • (sacrosidase)

Prescriber provides documentation of **ALL** of the following:

1. Diagnosis of congenital sucrase-isomaltase deficiency (CSID)



- 2. Results from small bowel biopsy or breath hydrogen test showing reduced or absent enzyme activity or sucrase breath test
- 3. Prescriber is a specialist in genetic or metabolic diseases, a gastroenterologist, or consultation notes from a specialist or gastroenterologist are provided
- 4. Member's current weight (use to verify correct dosing)

Vijoice (alpelisib)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of PROS with congenital or early childhood onset*
- 2. Member is \geq 2 years of age
- 3. Overgrowth is sporadic and mosaic (i.e., patchy, irregular)
- 4. Results from genetic testing showing evidence of a mutation in the PIK3CA gene
- 5. Medical records documenting **ONE** of the following:
 - a. Spectrum categorization defined as having at least **TWO** of the following:
 - i. Adipose, muscle, nerve, or skeletal overgrowth
 - ii. Capillary, venous, arteriovenous, or lymphatic vascular malformations
 - iii. Epidermal nevus
 - b. Isolated features defined as having **ONE** of the following:
 - i. Large isolated lymphatic malformation
 - ii. Isolated macrodactyly or overgrown splayed feet/hands, overgrown limbs
 - iii. Truncal adipose overgrowth
 - iv. Bilateral hemimegalencephaly/dysplastic megalencephaly/focal cortical dysplasia type 2
 - v. Epidermal nevus
 - vi. Seborrheic keratoses
 - vii. Benign lichenoid keratoses
- 6. Appropriate dosing

* The following are subtypes of PROS and are acceptable as meeting diagnosis criteria: CLAPO syndrome, CLOVES syndrome, diffuse capillary malformation with overgrowth (DCMO), dysplastic megalencephaly (DMEG), fibroadipose hyperplasia (FAH), fibroadipose overgrowth (FAO), hemihyperplasia multiple lipomatosis (HHML), fibro-adipose vascular anomaly (FAVA), facial infiltrating lipomatosis (FIL), HMEG, Klippel-Trenaunay syndrome (KTS), LON, macrodactyly, megalencephaly-capillary malformation syndrome (MCAP), muscular hemihyperplasia (HH)

Vimizim[®] (elosulfase alfa)

Prescriber provides documentation of ALL of the following:

- 1. Diagnosis of Mucopolysaccharidosis IVA (Morquio A syndrome)
- 2. Member is \geq 5 years of age
- 3. Results from an enzyme assay test showing reduced N-acetylgalactosamine-6-sulfatase activity in blood and/or skin cells
- 4. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 5. Member's current weight (use to verify correct dosing)

Xenpozyme (olipudase alfa-rpcp)

Prescriber provides documentation of **ALL** of the following:

1. Diagnosis of non-central nervous system manifestations of acid sphingomyelinase deficiency (ASMD) type B, or ASMD type A/B



- 2. Prescriber is a specialist (e.g., medical geneticist or a specialist familiar with lysosomal storage disorders) or consultation notes from a specialist are provided
- 3. ONE of the following:
 - a. For members \geq 18 years of age, **BOTH** of the following:
 - i. $DLco \leq 70\%$ of predicted normal value
 - ii. Spleen volume ≥ 6 MN
 - b. For members < 18 years of age, spleen volume \ge 5 MN
- 4. Member does **NOT** have acute or rapidly progressive neurologic abnormalities
- 5. BOTH of the following:
 - a. Member does **NOT** require invasive ventilatory support
 - b. Member does **NOT** require noninvasive ventilatory support while awake for > 12 hours a day
- 6. Member's current weight (use to verify correct dosing)
- 7. Appropriate dosing

Xuriden • (uridine triacetate)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of hereditary orotic aciduria (HOA)
- 2. Genetic testing confirming mutation in UMPS gene
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Member's current weight (use to verify correct dosing)

Zavesca[®] (miglustat)

Prescriber provides documentation of **ALL** of the following:

- 1. Diagnosis of Gaucher disease (Type I)
- 2. Member is \geq 18 years of age
- 3. Prescriber is a specialist in genetic or metabolic diseases or consultation notes from a specialist are provided
- 4. Results from an enzyme assay test showing reduced activity of the enzyme glucocerebrosidase
- 5. Contraindication to enzyme replacement therapy (ERT) (e.g., hypersensitivity, allergy or poor venous access)

Continuation of Therapy

Dojolvi: Reauthorization by physician will infer a positive response to therapy and dosing is appropriate based on updated member's caloric intake.

Ryplazim and **Nulibry**: Reauthorization will require physician documentation of a positive response to therapy or clinical rationale for continued use if dosing is appropriate based on updated member's weight where applicable.

Xenpozyme: Prescriber provides documentation of BOTH of the following:

- 1. Improvement from baseline in DLco and spleen volume
- 2. Updated member weight

All other agents: Reauthorization by physician will infer a positive response to therapy and dosing is appropriate based on member's weight where applicable.

Limitations



- 1. Initial approvals will be granted for the following:
 - a. Dojolvi, Nulibry, Palynziq, Vijoice, Xenpozyme: 6 months
 - b. Ryplazim: 24 weeks
 - c. All other agents: 1 year
- 2. Reauthorizations will be granted for the following:
 - a. Xenpozyme improvement in DLco and spleen volume: 6 months
 - b. All other agents: 1 year
- 3. Members who are stable on Nulibry[®] (fosdenopterin) must meet both the initial and reauthorization criteria for approval.
- 4. The following quantity limits apply:

| Galafold (migalastat) | 15 units per 30 days |
|-----------------------|----------------------|
| Pyrukynd (mitapivat) | 60 units per 30 days |

Appendix

Brand Preferred over Generic:

Requests for generic versions listed below require a trial of the preferred drug or clinical rationale for prescribing the non-preferred drug generic equivalent prior to approval:

- carglumic acid
- miglustat

References

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Review History

02/08/2023 - Reviewed and created for Feb P&T; matched MH UPPL. Created criteria to be in compliance with Masshealth unified formulary requirements (Effective 4/1/23).

05/10/23 – Reviewed and updated for P&T. Added new drug, Ryplazim[®] (plasminogen, human-tvmh), to policy. Added initial and reauthorization criteria for Xenpozyme for the treatment of non-central nervous system manifestations of acid sphingomyelinase deficiency (ASMD) in adult and pediatric patients. A noted was added for Fabrazyme to clarify that Gb3 may be referred to as GL-3. References updated. Effective 6/5/23